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Editor's Note

The Third International Congress on Bee Sciences was successfully held online. We are delighted to have offered this event free of charge. It was an honor to bring together experts from various fields of bee sciences. This Congress allowed to exchange of innovative ideas and fostering the development of new research and collaborative projects. With 44 invited speakers representing 30 countries and a scientific committee composed of nearly 300 distinguished scientists from over 65 countries, the congress truly reflected global participation. We extend our heartfelt thanks to everyone who contributed and supported the event. We look forward to seeing you at our next congress.

Warm regards from Turkey!

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CONTENTS

Preface	1
Editor's Note	2
Organizing Committee	3
Honorary Board	4
Scientific Committee	5
ORAL PRESENTATIONS	28
Melissopalinalogical and Bioactivity Investigation of Chestnut Honeys of Black Sea Region <u>Derya Keleşoğlu, Serhat Karabıçak, Şeymanur Aktaş, Oktay Bıyıklıoğlu, Talip Çeter</u>	29
Antibacterial and Antioxidant Activity of Propolis Extract From Giresun/Türkiye Against Plant and Human Pathogen Bacteria <u>Mehtap Usta</u>	30
Advancements in Hyperspectral Imaging for Food Quality Assurance: Emphasis on Honey Adulteration Detection <u>Bekir Gökçen Mazi</u>	31
Comparison of Phenolic Content and Antioxidant Activity of Flower Honey Samples from Three Different Regions <u>Tuğba Nigar Bozkus</u>	32
Assessment of pests and predators of tropical honeybees (apidae: apis cerana f.) And the performance of their colonies in different types of hive wood Mohd Iftar Johwan Bin Johny Hasbulah, Bellericter Binjamin, Lee Nyuk Choon, Jamilah Ariffin, Kimberly AK Ador, <u>Suzan Benedick</u>	33
Flowering Phenology and Application of Tetragonula laeviceps as Pollinating Agent to Achieve Acceptable Fruit Quality of Red-Fleshed Pitaya (Hylocereus polyrhizus) in Sabah, Malaysia <u>Kimberly Ador, Suzan Benedick</u>	34
Sterilization & long term maintainance of sterility of Indian honey- a prospective cohort study <u>Amit Jain, Apoorva HC, Prakash</u>	35
Effect of Honey on Hormones and on Endocrine Glands <u>Sabina Khanam</u>	36
Evaluation of Bioactive Properties of Various Propolis Mixtures Used as Functional Food Serap Kılıç Altun, <u>Mehmet Emin Aydemir</u>	37
Exploring Health Advantages of Honeybee Pollen Flora and its Crucial Role in Enhancing Food Security <u>Muhammad Zafar, Mushtaq Ahmad, Shazia Sultana, Talip Şahin, Ömer Kılıç</u>	38
Molecular Detection of Honey Bee Viruses in Pollen, Bee Bread and Royal Jelly <u>Delka Salkova, Ralitsa Balkanska, Rositsa Shumkova, Georgi Radoslavov, Peter Hristov</u>	39

Chemical analysis, antioxidant, cytotoxic and antimicrobial properties of propolis from different geographic regions <u>Mohamed G. Shehata</u>, Fauziah T. Ahmad, Ahmed N. Badr, Saad H. Masry, Sobhy A. El-Sohaimy	40
Attitudes of Parents Who Prefer to Use Bee Products to Strengthen Children's Immune Systems <u>Selin İkiz</u>, Merve Keskin, Figen Gürsoy	41
Perga (Bee Bread) for Eco-Friendly Silver Nanoparticles Merve Keskin, Şaban Keskin	42
Physicochemical profile as an alternative tool for floral origins evaluation <u>Krišs Dāvids Labsvārds</u>, Agnese Brangule, Vita Rudovica, Māris Bērtiņš, Ingus Skadiņš, Lauma Buša, Inese Eglīte, Arturs Viksna	43
Honeybee's immunological response to microplastic ingestion <u>Aneta Ptaczyńska</u>, Patrycja Kuźma	44
Therapeutic Use of Beehive Products in Veterinary Medicine in Southern Italy Fabio Castagna, Roberto Bava, Roberta Bellavista, Filippo Vergata, Giuseppe Garcea, Rodolfo Piterà, Clara Naccari, Carmine Lupia, Giancarlo Statti, Domenico Britti, <u>Ernesto Palma</u>	45
Assessment of honeydew honey from Quercus pyrenaica forests <u>Kheira M. Mouffok</u>, M^a Shantal Rodriguez-Flores, Olga Escuredo, M^a Carmen Seijo, Miguel Vilas-Boas, Soraia I. Falcão	46
Authentication of Romanian Honey Based on IR and Raman Spectroscopy Analysis <u>Maria David</u>, Camelia Berghian-Grosan, Dana-Alina Magdas	47
Honey Authentication through a New Strategy based on 13C-NMR and Machine Learning <u>Ariana Raluca Hategan</u>, Francois Guyon, Laetitia Gaillard, Dana Alina Magdas	48
Propolis-Powered Hydrogels: Enhancing Nystatin's Action Against Superficial Candidiasis <u>Andra-Cristina Enache</u>, Andra-Cristina Bostanaru-Iliescu, Valeria Harabagiu	49
Intraspecific variations among honey bee hemolymph samples <u>Salma A. Elfar</u>, Iman M. Bahgat, Mohamed A. Shebl, Mathieu Lihoreau, and Mohamed M. Tawfik	50
Unlocking the Hive: Navigating Challenges and Opportunities in Smart Beehive Technology <u>Yasser Yehia Mohamed Ibrahim</u>	51
Exploring the Chemical Constituents and Nutritive Potential of Bee Drone (Apilarnil): Emphasis on Antioxidant Properties <u>Aida Abd El-Wahed</u>, Hesham R. El-Seed, Shaden A. M. Khalifa	52
Spinosad versus Lambda-Cyhalothrin effects to honey bee populations: Insights in a tomato crop cultivated under greenhouse and citrus orchard in Mitidja region (northern Algeria) <u>Allal Benfekih Leila</u>, Aoudia Billal, Mahmoudi Abdelhaq, Belgherbi Dalila	53

Importance of the MEDIBEES (PRIMA) project in the conservation of Mediterranean honey bee subspecies <u>Noureddine Adilane</u>, Raquel Martín Hernández, Antonio Nanetti, M. Alice Pinto, Mustafa Necati Muz, Nizar Haddad, Chadi Osri, Marion Zammit Mangion, Ahmad Yousef Daour	54
Neural network-based model for predicting internal conditions in beehives <u>M. Carmen Robustillo</u>, Carlos J. Pérez, M. Isabel Parra	55
Pesticides and Mycotoxins in Bee Pollen: a Contamination Survey <u>Maria Antonietta Carrera</u>, Amadeo Rodríguez Fernández-Alba, Maria Dolores Hernando	56
Acacia Honey-derived Bioactive Compounds Exhibit Induction of p53-dependent Apoptosis in the MCF-7 Human Breast Cancer Cell Line: New Insight <u>Walid Sabri hamadou</u>, Nouha Bouali, Mejdi Snoussi	57
UHPLC-HRMS Profiling of Polyphenolic Compounds in Bee Products from Romania <u>Elisabeta-Irina Geană</u>, Corina Teodora Ciucure, Oana Romina Botoran, Roxana Elena Ionete	58
Antioxidant adventure: Unravelling how raspberry and honeysuckle extracts interact with honey and its deep eutectic features <u>Luminița Dimitriu</u>, Diana Constantinescu-Aruxandei, Daniel Preda, Andra-Lavinia Nichițean, Cristian-Andi Nicolae, Victor Alexandru Faraon, Marius Ghiurea, Mihaela Ganciarov, Narcisa Elena Băbeanu, Ionuț Moraru, Florin Oancea	59
Advancements in Understanding honey bee genome function through CRISPR/Cas9 methodology Rustem A, Ilyasov, Alla Y. Ilyasova, <u>Elizaveta D. Davydova</u>	60
Cytocompatible and antioxidant selenium-fortified beverage produced by Kombucha fermentation with pollen <u>Tritean Naomi</u>, Dima Ștefan-Ovidiu, Trică Bogdan, Stoica Rusândica, Ghiurea Marius, Moraru Ionuț, Cimpean Anisoara, Oancea Florin, Constantinescu-Aruxandei Diana	61
Virus Carriage and Productivity of Bee Cologies A. <u>V. Koroley</u>, Z. G. Kokaeva	62
Enhancing Nutritional Value and Flavor Profile: Microaerophilic Fermentation of Bee Pollen for a Novel Functional Beverage <u>Andreea Ecaterina Constantin</u>, Naomi Tritean, Florentina Matei, Nikolaos Trivyzas, Diana Constantinescu Aruxandei, Florin Oancea	63
Apitherapy as an Integrated Approach to the Support of Autistic Children <u>Natalia Sorokova</u>	64
Prevalence of Viruses in Palestinian Honey Bee Colonies <u>Mohammad Alqurneh</u>, Lena Bauer, Abdul-Jalil Hamdan, Islam Nairoukh, Hans-Hinrich Kaatz	65

Palynology Analyses, Biochemical Profiling, and the Modulatory Effects of Nigerian Bitter Honey on Interleukin-6 Trans/Classic Signaling and NLRP3 Inflammasome In Coronavirus Disease: A Network Pharmacology Mechanistic Study <u>Bayo Olufunso Adeoye, Peculiar Oseyi Ehimhen, Iyanuoluwa Oluwadunsin Adebayo</u>	66
Potential Anti-inflammatory Activity of Seasonal Sonoran Propolis Extracts and Some of Their Main Constituents <u>Mayra Mendez-Encinas, Dora Valencia, Elizabeth Carvajal-Millan, Jesús Ortega-García, Pablo MendezPfeiffer, Efrain Alday, Adriana Garibay-Escobar, Carlos Velazquez</u>	67
Oncological apitherapy cases in exotic veterinary medicine <u>Jörg Mayer</u>	68
Current challenges in beekeeping: smart apiary management <u>Ana Diéguez-Antón, M Shantal Rodríguez-Flores, Ester Ordoñez, Laura Meno, Olga Escuredo, M Carmen Seijo</u>	69
Effect of Melipona solany honey on mango fruit development México <u>Víctor Jesús Albores Flores</u>	70
Profiling of the endogenous phenolic contents of honey from different geographical origins in Türkiye by LC-MS/MS <u>Nilgün Paksoy, Hisamettin Durmaz, Serap Kılıç Altun, Mehmet Emin Aydemir</u>	71
Palynological Varities Among Bee Breads Produced By Four Different Bee Races <u>Gülşah Yıl, Semiramis Karlıdağ</u>	72
Melissopalynological investigation of Sinop honeys <u>Oktay Bıyıklıoğlu, Serhat Karabıcak, Şeymanur Aktaş, Derya Keleşoğlu, Hülya Özler, Talip Çeter</u>	73
Melissopalynological Analysis of Honey from Kurşunlu-Çankırı (Türkiye) <u>Serhat Karabıcak, Oktay Bıyıklıoğlu, Derya Keleş, Kudret Betül Güney, Şeymanur Aktaş, Talip Çeter</u>	74
Bioaccessibility and Bioavailability of Bee Pollen Bioactives <u>Müzeyyen Berkel Kaşıkçı</u>	75
The Role of Varroa Mites in the Transmission of Deformed Wing Virus <u>Murat Şevik</u>	76
Investigation of Propolis Produced in Kastamonu Province in terms of Bioactivity <u>Şeymanur Aktaş, Oktay Bıyıklıoğlu, Serhat Karabıcak, Derya Keleşoğlu, Talip Çeter</u>	77
Emergent and Known Honey Bee Pathogens through Passive Surveillance in the Republic of Kosovo <u>Beqë Hulaj, Anna Granato, Fulvio Bordin, Izedin Goga, Xhavit Merovci, Mauro Caldon, Armend Cana, Laura Zulian, Rosa Colamonico, Franco Mutinelli</u>	78

Comparison of different techniques used to evaluate the varroacidal efficacy of essential oils in honeybees (<i>Apis mellifera</i>) <u>Roberto Bava</u>, Fabio Castagna, Giancarlo Statti, Carmine Lupia, Mariangela Marrelli, Clara Naccari, Domenico Britti, Ernesto Palma	79
Study and Exploitation of Brassicales Species Attracting Honeybees and Other Pollinators for Providing and Enhancing Ecological Services in Agriculture <u>Manuela Bagatta</u>, Matteo Carloni, Luisa Ugolini, Eleonora Pagnotta, Gherardo Bogo, Laura Bortolotti, Nicola Pecchioni	80
Comparison of the quality of honey from beekeepers and the local market in Slovakia <u>Kristína Kukurová</u>, Zuzana Ciesarová, Zuzana Dubová, Blanka Tobolková, Janka Kubincová	81
POSTER PRESENTATION	82
Fatty Acids and Peptides Profile of Bee-collected Pollen Predominantly Originated from <i>Aster</i> sp. <u>Aleksandar Ž. Kostić</u>, Danijel D. Milinčić, Bojana Špirović Trifunović, Nebojša Nedić, Slađana P. Stanojević, Mirjana B. Pešić	83
Biofilms of stingless bee propolis on <i>Citrus aurantifolia</i> fruits for quality conservation <u>José Alfonso López-García</u>, Julieta Grajales-Conesa, Jennifer Montenegro-Morales, Víctor Jesús Albores Flores	84
Some Important Lamiaceae Taxa For Beekeeping In Adıyaman (Türkiye) <u>Ömer Kılıç</u>, Talip Şahin, Muhammad Zafar, Mushtaq Ahmad, Shazia Sultana	85
Benefits of Using Essential Oils in Supplementary Food to Bee Colonies <u>Lazăr Roxana Nicoleta</u>, Pătruică Silvia	86
Fauna of Rose Gall Wasps (Hymenoptera: Diplolepididae) of Aydın (Türkiye) <u>Musa Tataroğlu</u>	87
Honeycomb moth phenol oxidase and lysozyme activity response to microplastic feeding Aneta A. Ptaszyńska, Patrycja Kuźma	88
Antioxidant Activity of Stingless Bees (<i>Melipona beecheii</i>) Honey Extracts from Veracruz Marycarmen Cortes-Hernández, <u>Gabriela Medina-Pérez</u>, Cesar Uriel López-Palestina, Lorena Luna Rodríguez, Irma Morales-Rodríguez	89
Global Threat of Potential and/or Invasive to Honeybees (<i>Apis</i> spp.): Hornets (Hymenoptera: Vespidae: <i>Vespa</i> spp.) <u>Gökhan Eren</u>	90
Haplotypes of tRNA^{Leu}-COII locus in Russian <i>Apis mellifera</i> populations <u>Milyausha Kaskinova</u>	91
Assessment of the adaptive effect of <i>Bacillus licheniformis</i> in conditions of immunodeficiency of <i>Apis mellifera</i> <u>Gaifullina L.R.</u>, Kaskinova M.D., Saltykova E.S., Baitullin R.R.	92

Emergency Approaches in Cases of Honey Bee (<i>Apis</i> spp.) Attack <u>Buşra Eren</u>	93
Minibrain, The Homologue of the Vertebrate DYRK1A Gene, Regulates The Adult Brain Differential Development in Honeybee (<i>Apis mellifera</i>) Castes # <u>Juliana Ramos Martins</u>, Izabella Cristina Silva, Talita Sarah Mazzoni, Gabriela Helena de Barrios, Flávia Cristina de Paula Freitas, Angel Roberto Barchuk	94
The possibility of producing a powdered food biopreservative from propolis extract by spray drying method <u>Michał Milek</u>, Ewelina Sidor, Małgorzata Dżugan	95
Evaluating Beekeeping Activity and Challenges in Algeria: A Contribution to the MEDIBEES Project <u>Haider Yamina</u>, Adjlane Nouredine, Martin-Hernande Raquel, Haddad Nizar	96
Contribution of Baccharis (Asteraceae) in the chemical composition of brown propolis from the Quilombos Region in Alagoas, Brazil <u>Jônatas Oliveira Costa</u>, João Victor Lessa de Oliveira, Arthur Luy Tavares Ferreira Borges, Emanuel Guilhermino da Silva Júnior, Flávia Barros de Prado Moura, Ana Paula do Nascimento Prata, Ticiano Gomes do Nascimento	97
Bee forage plants of Arabia <u>Abdulraouf M. Amro</u>	98
Flavonoids contents and anticancer effect of Algerian propolis <u>Amina Daikh</u>, Farid Nasirli, Sevki Arslan, Dogukan Mutlu, Nazime Mercan Dogan, Narimane Segueni	99
Investigation Into Algerian Beekeeper's Awareness Of The Danger of Pesticides For Bee Populations. <u>Belgherbi Dalila</u>, Allal Benfekih Leila	100
Chromatographic Profile, Isolation, Purification and Characterization of Two Flavonoids of Brown Propolis from Quilombos Region, Alagoas, Brazil <u>João Victor Lessa de Oliveira</u>, Emanuel Guilhermino da Silva Júnior, Arthur L. Tavares Ferreira Borges, Jônatas Oliveira Costa, Ana Paula do Nascimento Prata, Alexandre Carmo Crispim, Vanderson Bernardo Barbosa, José Rui Machado Reys, Êurica Adélia Nogueira Ribeiro, Edmilson Rodrigues da Rocha Junior, Edson de Souza Bento, Thiago M. de Aquino, Johnnatan D. Freitas, Isabel C. C. de Moraes Porto, Ticiano Gomes do Nascimento	101
Perspectives from Four Decades of Melissopalynology Studies in Brazilian Mangroves <u>Cynthia Fernandes Pinto da Luz</u>, Ortrud Monika Barth	102
The unique pro-healthy value of coniferous honeydew honey related to its chemical composition <u>Małgorzata Dżugan</u>, Ewa Ciszkowicz, Monika Tomczyk, Aleksandra Bocian, Michał Milek	103

Feeding <i>Apis mellifera</i> Larvae With <i>Saccharomyces cerevisiae</i> From The Brewing Industry Improves Their Resistance To <i>Paenibacillus</i> larvae And Their Primary Antioxidant Enzymatic Activity <u>María de la Paz Moliné</u>, Paloma Moran Giardini, Enzo Domínguez, Silvina Quintana, María Magdalena Vázquez, Virginia D'Arcangelo, Natalia Fernández, Natalia Damiani, Liesel Gende	104
Key odorants of Slovakian fir honeydew honey revealed by gas chromatography-olfactometry <u>Mária Kopuncová</u>, Jana Sádecká, Kristína Kukurová	105
Immune responsiveness of summer and winter honey bees during ageing <u>Tatjana Čelić</u>, Jelena Spremo, Srđana Đordjević, Ivan Pihler, Jelena Purać, Danijela Kojić, Elvira Vukašinić	106
The unique nectar of Kirgizistan: Akbal <u>Düysöbayeva Ayturgan</u>, Abdımanap Uulu Nur, Cumagulov İshak, İstanbullugil Fatih Ramazan, Acaröz Ulaş, Acaröz-Arslan Damla, Sahin Mitat	107
Effects of Sunlight Exposure on Rheological Properties of Honey <u>Beata Szulc-Musioł</u>, Beata Sarecka-Hujar	108
Polyphenols Quantification by HPLC In Propolis Encapsulated in Different Matrices Yanet Irigoiti, <u>Karim Yamul</u>, Virginia Salomón, Luis Maldonado, Alba Navarro	109
Unveiling the Protective Role of Indian Propolis in Diabetic Wound Healing through Network Pharmacology and Molecular Docking Analysis <u>Sandeep Sankaran</u>, Rohini Kulkarni, Sathiyarayanan Lohidasan	110
The species composition of honeybees in Bashkortostan's northern forest-steppe zone <u>Aigul Sattarova</u>, Elena Saltykova, Marat Giniyatullin, Aglyam Sharipov, Ruslan Kaipkulov, Revner Baitullin	111
Spectral characteristics for discrimination of Serbian honeys <u>Blanka Tobolková</u>	112
Distinguishing between floral and honeydew honey based on the content of melezitose <u>Janka Kubincová</u>, Jaroslav Blaško, Michal Fulín, Kristína Kukurov, Marcela Blažková	113
Analysis Of Food Consumption And Survival Of Honey Bees Fed With Craft Brewer's Yeast <u>Paloma Moran Giardini</u>, Enzo Domínguez, María de la Paz Moliné, Silvina Quintana, Virginia D'Arcangelo, Natalia Damiani, Liesel Gende	114
Survival Rate in Larvae (<i>Apis mellifera</i> L.) Additively Fed With <i>Pleurotus ostreatus</i> <u>Virginia D'Arcangelo</u>, María de la Paz Moliné, Paloma Moran Giardini, Enzo Domínguez, Natalia Damiani, Silvina Quintana, Noelia Paredes, Liesel Gende	115
Quality Assessment of Honey with Regards to 5-Hydroxymethylfurfural and Moisture Content Analysis in São Paulo State Program <u>Cristiane Bonaldi Cano</u>, Juliana Martins Ferreira, Mahyara Markievicz Mancio KusYamashita, Cynthia Fernandes Pinto da Luz	116

Biochemical and Nutritional Characteristics of Tunisian Bee Pollen <u>Asma Sakhaoui</u> , Volkan Aylanc, Shantal Rodriguez-Flores, Carmen Seijo, Mondher Mejri, Miguel Vilas-Boas, Soraia I. Falcão	117
A validated UPLC-DAD method for the analysis of isoflavonoids in red propolis from AlagoasBrazil <u>Kathylen Vitória Ferreira dos Santos</u> , Salvana Priscylla Manso Costa, Arthur Luy Tavares Ferreira Borge, João Victor Lessa de Oliveira, Ruane de Oliveira Santos, Kaena Kivia de Moura Rocha, Kamily Gyovana Gomes Ferreira, Gustavo dos Santos Melo, Idalina Vitória da Silva, Jaciane Celestino da Silva, Luisy Maria Santiago Lessa Luz, Ana Cláudia Nascimento Sobreira, Ticiano Gomes do Nascimento	118
Impact of Honey as a Natural Plasticizer on Cassava Starch Suspensions Used for Coating Matrices <u>Nancy Fernández</u> , Karim Yamul, Alba Navarro	119
Antioxidant, Antibacterial and Antiviral Properties of Polish Honeydew Honey in Comparison with Manuka Honey <u>Dorota Grabek-Lejko</u> , Małgorzata Dżugan, Michał Milek	120
Evaluation of antioxidative capacity in winter honey bees during ageing <u>Jelena Spremo</u> , Tatjana Čelić, Srđana Đordjević, Ivan Pihler, Jelena Purać, Danijela Kojić, Elvira Vukašinović	121
Effects of Honey on Intestinal Microbiota: Current Perspective <u>Rabia Melda Karaağaç</u> , Çağla Pınarlı Falakacılar, Indrani Kalkan	122
Effectiveness of Essential Oils Combinations for Control of Varroa Destructor <u>Delka Salkova</u> , Kalinka Gurgulova, Vera Popova	123
Toxicity and irritation potential of bee venoms collected from honeybee ecotypes from Türkiye and Cyprus <u>Mehmet Ozbay</u> , Ekin Varol, Banu Yücel, Ayşe Nalbantsoy, N.Ülkü Karabay Yavaşoğlu	124
Hemispherical directional reflectance of selected types of honey stored under UV radiation: preliminary results <u>Beata Sarecka-Hujar</u> , Beata Szulc-Musiol	125
The Bortevik - bear relationship in the conditions of on-board beekeeping <u>Aglyam Sharipov</u>	126
Therapeutic Effects of Bee Venom Kerem Derin, <u>Semi Sertaç Bağırsakçı</u> , Ender Yarsan	127
The composition of carbohydrates in honey. Does it change during storage? <u>Zuzana Dubová</u> , Stanislav Kowalski, Kristína Kukurová	128
Characterisation of quality of honeydew honey from Slovakia with protected designation of origin <u>Zuzana Ciesarová</u> , Kristína Kukurová, Zuzana Dubová, Jana Minarovičová	129

Pollen from argentinian meadows: colour characterisation and FTIR analysis Gildardo Moreno Galvis, Karim Yamul, <u>Alba Navarro</u>	130
Bee-gathered pollen exhibit anti-inflammatory activity in TNF-a inflamed A549 lung epithelial cells <u>Andrea Cavallero</u>, Francesca Vidotto, Carmen Lamacchia, Morena Gabriele	131
Social Participation In The Production Of Mellifera Bee Honey In Communities Of Tamaulipas <u>Rodolfo Torres de los Santos</u>, Liliana Guadalupe Alanis Maldonado, Jovani Ruíz Toledo, G. Lorena Navarro Álvarez, Hermilo Lucio Castillo, Ma. Guadalupe Bustos Vázquez, José ReyesHernández, R. Ivonne Torres-Acosta, Carlos Gerardo Méndez	132
Maternal ancestry of honey bees on São Miguel-Azores (Portugal) <u>Maíra Costa</u>, Ana R. Lope, Mónica Doblás-Bajo, Andreia Quaresma, Diogo Barreira, Dora Henriques, M. Alice Pinto	133
Comparative Analysis of DNA Extraction Methods for Individual Varroa destructor <u>Maíra Costa</u>, Ana R. Lopes, Carlos Ariel Yadró Garcia, Nathalia Vitrio, Telma Gonçalves, M. Alice Pinto, Dora Henriques	134
Determination of flavonoids e cinnamic acid derivatives in Brown Propolis from Quilombos Region, Alagoas, Brazil <u>Emanoel Guilhermino da Silva Júnior</u>, João Victor Lessa de Oliveira, Arthur L. Tavares Ferreira Borges, Erisson Lima Silva, Jônatas Costa Silva, Sâmia Andrícia Souza Silva, José Rui Machado Reys, Êurica Adélia Nogueira Ribeiro, Isabel C. C. de Moraes Porto, Ana Paula do Nascimento Prata, Ticiano Gomes do Nascimento	135
Energy Supplementation In Apis mellifera Bees: Evaluation Of Food Preference And Longevity <u>Jaine Xavier</u>, Aline Astolfi, Iloran do Rosário Corrêa Moreira, Guilherme Duarte Figueiredo de Souza, Ricardo de Oliveira Orsi	136
The Effects of Artificial Diets on the Honey Bee Body Development in Early Spring <u>Olga Frunze</u>, Hyunjee Kim, Jeong-Hyeon Lee, Hyung-Wook Kwon	137
Comparative Study of the Effect of Artificial Diets on Honey Bees during Early Spring <u>Hyunjee Kim</u>, Olga Frunze, Jeong-Hyeon Lee, Hyung-Wook Kwon	138
The use of bee products for therapeutic purposes <u>Kirtay Sezer</u>, Cunuşova Ayday, Aytımırza Kızı Ayperi, İstanbullulugil Fatih Ramazan, Acaröz Ulaş, Acaröz-Arslan Damla, Kumandaş Ali, Sahin Mitat	139
Phytochemical investigation of phenolic constituents and in vitro evaluation of antioxidant activity of five Algerian propolis Bouaroura Amina , Ramazan Erenler ,Bensouici Chawki, Segueni Narimane	140

INVITED ORAL PRESENTATIONS	
Recent advances in research on stingless bees propolis from Vietnam and Indonesia <u>Vassya Bankova</u>, Milena Popova, Boryana Trusheva, Ralitsa Chimshirova, Le Nguyen Thanh, Felix Zuhendri	142
Bee Pollen's Nutritional Secrets and Functional Properties <u>Hesham R. El-Seedi</u>	143
Minerals present in honey: Risk or benefits for health <u>Carolina Nebot</u>, Javier Barreiros, Beatriz Vázquez, Alberto Cepeda	144
Effects of pesticides coumaphos and imidacloprid in honey bee (Hymenoptera: Apidae) cellular and organismal level <u>Aleš Gregorc</u>, Caio Eduardo Da Costa Domingues, Leticia Salvioni Ansaloni	145
Effects of Novel Insecticides and pathogens on Honey Bee health Yahya Al Naggar	146
Energetics of pollination biology – An analysis Dharam P Abrol	147
Bee Venom for Cancer Bridget Goodwin	148
Urban beekeeping: Should we keep honeybees or solitary bees? Kresimir Matanovic	149
Economic valuation of beekeeping forage: Principles and case studies Antoine Champetier	150
Propolis as cardioprotective agent <u>Anna Kurek-Górecka</u>, Małgorzata Klósek, Grażyna Pietsz, Radosław Balwierz, Paweł Olczyk, Zenon P. Czuba	151
State of Art the Beekeeping Sector in Lebanon <u>Dany El-Obeid</u>, Nohad Boujawdeh	152
Use of statistical models to predict the interspecific transmission of pathogenic microorganisms in wild bees in Italy <u>Giovanni Cilia</u>, Rossella Tiritelli¹, Simone Flaminio, Rosa Ranalli, Laura Zavatta, Donato A. Grasso, Stefano Leonardi, Marino Quaranta, Antonio Nanetti, Laura Bortolotti	153
Why honey is an excellent remedy against all kind of burns? Stefan Stangaciu	154
Cerumen and propolis, a book for the bioactive beeswax-plant resin based materials of stingless bee nest architecture <u>Patricia Vit</u>	155

Bee Pollen and Bee Bread: Exploring Nutritional Composition and Bioactivity <u>Soraia Falcão</u>	156
Volatiles of Erica Melipona favosa honey from Venezuela by HS-SPME/GC-MS <u>Emanuela Betta, Patricia Vit, Gina Meccia, Franco Biasioli</u>	157
Poor air quality and climate change effects on bee health <u>Christopher Mayack, Sarah E Cook, Bernardo D. Niño, Laura Rivera, Elina L. Niño5 & Arathi Seshadri1</u>	158
The Antioxydative profile of bee products: a potential approach that warrants a clinical investigation <u>Badiaa Lyoussi</u>	159
Melitourism Social Enterprise Development in the Philippines <u>Amelia R. Nicolas, Hanilyn A. Hidalgo, Mia Bella R. Fresno</u>	160
Chestnut bee pollen: nutritional and biochemical properties <u>Sevgi Kolaylı</u>	161
Apitourism is in Turkey with “apiTURroute” Project <u>Ash Özkırım, Mustafa Ertekin</u>	162
Stingless bee propolis from Malaysia in a diabetic animal model <u>Mahaneem Mohamed</u>	163
Impact of Stingless Bee Honey on the Membrane of Antibiotic Resistant Escherichia coli <u>Wen-Jie Ng, Kah-Yaw Ee, and Siew-Keah Lee</u>	164
Bioactive properties of drone larvae at different days <u>Sibel Silici</u>	165
Honey bee flora and Apiaries in Northern Hemisphere in Asia <u>Mushtaq Ahmad, Shazia Sultana, Muhammad Zafar, Talip Şahin, Ömer Kılıç</u>	166
Propolis antioxidant activity: applied methods and challenges <u>Narimane Segueni</u>	167
Bee venom production: pros and cons <u>Banu Yücel, Ekin Varol</u>	168
Alternative uses of pot honey in post harvest fruit production <u>Julieta Grajales-Conesa</u>	169
Integrative Medicine in Veterinary Medicine and Comparative Medicine (animals and people): Traditional Chinese Medicine (TCM) and Apitherapy enhancing complex patients <u>María A. López</u>	170

The immunohistochemical study of Interleukin 1-beta in inflamed rat dental pulp following propolis application Ardo Sabir	171
Buzzing Diversity: Assessing and Conserving Pollinator Diversity in Asia Cleofas Cervancia	172
Efficacy of frequent use of oxalic acid on beehive mortality and effects on honey quality <u>Reybroeck Wim</u> , Dewindt Corneel, Maselyne Jarissa	173
Scientific, analytical and economic challenges in improving the quality and safety of honey Sandra M. Jakšić, Nenad S. Popov, Milica M. Živkov Baloš	174
Emergence and potential spread of Varroa underwoodi: implications for bee health and honey production Rustem A. Ilyasov , Vener N. Sattarov, Alla Y. Ilyasova, Elizaveta D. Davydova, Dmitry V. Boguslavsky, Alfir G. Mannapov	175
Neuroprotective Effect of Honeybee Venom on the α-syn/Nf-κB/NLRP3 Signalling Pathway in Mice with Experimental Parkinson's Disease Meral Kekeçođlu	176
Understanding the Factors Influencing the Reproductive Health of Honey Bee (<i>Apis mellifera</i>) Drones Mahir Murat Cengiz, Aziz Gül	177
Honeybee products in neurodevelopmental disorders Sibel Silici	178
Bee products against emerging viruses Łukasz Świątek, Kinga Salwa	179
Bee products in the management of female reproductive health issues Ahmad Ali	180
A Focus on the Chinese Stingless Bee Honeys: Exploring Physicochemical Parameters for Establishing Quality Standards. # Kai Wang	181
Seasonal study of Brown Propolis from Quilombos Region in Alagoas- Brazil: Botanical Origin and Identification of Phenolic Markers Ticiano Gomes do Nascimento, João Victor Lessa de Oliveira, Emanuel Guilhermino da Silva Júnior, Arthur Luy Tavares Ferreira Borges, Erisson Lima Silva, Kathylen Vitória Ferreira dos Santos, Salvana Priscylla Manso Costa, Isabel C. C. de Moraes Porto, Jônatas Oliveira Costa, Ana Paula do Nascimento Prata, Flávia de Barros Prado Moura, Silvia Beatriz Berger Uchoa, Luciana Peixoto Santa Rita, Francisco José Peixoto Rosário, Tatiane Luciano Baliano, José Edmundo Accioly de Souza, Josealdo Tonholo	182

Pollen spectrum recovered from *Apis mellifera* propolis in the coastal region of Oaxaca, Mexico
Ramírez-Arriaga Elia, Canchola-Mendoza Carla Fernanda

183

This is Only Proof

Evaluating Beekeeping Activity and Challenges in Algeria: A Contribution to the MEDIBEES Project

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Abstract:

The honey bee plays a very important role in plant biodiversity and the natural and environmental balance. It is considered a biological marker that alerts us to the state of the natural environment. In Algeria, *Varroa* is a major problem in beekeeping, as it is a very serious condition due to the development and handling of the ectoparasitic *Varroa* mite. Within the framework of the MEDIBEES project - Monitoring of Mediterranean bee subspecies and their resilience to climate change for the sustainable improvement of agroecosystems - a survey was conducted in 2021, with the objective of characterizing and understanding the beekeeping activity and its main problems in Algeria, compared to other countries of the Mediterranean basin. This survey was conducted simultaneously in Spain, Italy, Malta, Turkey, Portugal, Lebanon, and Jordan, partner countries of the MEDIBEES consortium. The survey was disseminated in Algeria by e-mail and sent to all beekeeping associations and beekeepers. Visits of the beekeepers were also carried out to have the maximum of answers. In this article, only the results obtained for Algeria will be presented. In total, 200 questionnaires were analyzed. The respondents have apiaries in 19 ways of the country. The results of this study show the constraints on the development of beekeeping in Algeria in recent years, the drought, the very high mortality, and the presence of pathologies. COVID has had a negative influence on the yield of beekeepers. A very low yield of honey is obtained during these last two years. Among the positive points of the survey is the presence of beekeepers who practice good beekeeping (renewal of queens every year, selection at the level of the apiaries, the practice of transhumance) and the periodic screening of the varroasis in the honey bee colonies. The beekeeping associations must be on the field for the organization of the beekeeping sector and the improvement of the current situation.

Keywords: Honeybee, Survey, Mediterranean bees, beekeeping activity, climate change, resilience, Algeria, *Varroa*.